

ABSTRACT OF THE DISCLOSURE

The invention describes novel nitrosated and/or nitrosylated nebivolol, novel nitrosated and/or nitrosylated metabolites of nebivolol and novel compositions comprising at least one nitrosated and/or nitrosylated nebivolol and/or at least one nitrosated and/or nitrosylated metabolite of nebivolol, and, optionally, at least one nitric oxide donor and/or at least one antioxidant or a pharmaceutically acceptable salt thereof, and/or at least one compound used to treat cardiovascular diseases or a pharmaceutically acceptable salt thereof, and/or at least one nitrosated compound used to treat cardiovascular diseases. The invention also provides novel compositions comprising nebivolol and/or at least one metabolite of nebivolol and at least one nitric oxide donor, and, optionally, at least one antioxidant or a pharmaceutically acceptable salt thereof, and/or at least one compound used to treat cardiovascular diseases or a pharmaceutically acceptable salt thereof, and/or at least one nitrosated compound used to treat cardiovascular diseases. The compounds and compositions of the invention can also be bound to a matrix. The nitric oxide donor is a compound that donates, transfers or releases nitric oxide, elevates endogenous levels of endothelium-derived relaxing factor, stimulates endogenous synthesis of nitric oxide or is a substrate for nitric oxide synthase and may preferably be isosorbide dinitrate and/or isosorbide mononitrate. The antioxidant may preferably be a hydralazine compound or a pharmaceutically acceptable salt thereof. The invention also provides methods for treating and/or preventing vascular diseases characterized by nitric oxide insufficiency; and for treating and/or preventing Raynaud's syndrome; and for treating and/or preventing cardiovascular diseases or disorders.